



460197

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Pat
in C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1908. 364228

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Pat

SHEET 8
COMPANY Wm. Cater, driller
FARM Lyons City Well

T. 38 N R. 12 E S. 1

HOLE NO.

HOLE NO. 2

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
1	gray and pink, compact; to sandstone, dolomitic, light gray, medium, rounded and frosted grains, compact, having quartzitic appearance	10		1070	
2	Dolomite, sandy, light gray and pink, a few green spots, sand is medium but dolomite is very fine compact	10		1080	
3	Dolomite, light buff-gray, very finely crystalline, a few sand grains	10		1090	
4	Same	10		1100	
5	Dolomite, light gray, finely crystalline, some sand	10		1110	
6	Dolomite, light gray, finely crystalline	10		1120	
7	Same	10		1130	
8	Dolomite, gray, very finely crystalline, compact	10		1140	
9	Same	10		1150	
10	Dolomite, light gray, very finely crystalline, compact	10		1160	
11	Dolomite, slightly cherty, buff, finely crystalline	10		1170	
12	Same, but with practically no chert	10		1180	
13	Dolomite, buff-gray, finely crystalline, containing quartz nodules	10		1190	
14	Same	30		1220	
15	Same, but finely broken up	10		1230	
16	Same, with small amount of quartz	10		1240	
17	Dolomite, fine sandy, pinkish gray, very finely crystalline				

County Cook

T.-DRILL RECORD
(27091-4M-11-29) 2

Sample Set #757

Index No.
1901

T. 38 N R. 12 E S. 1
HOLE NO.
HOLE NO. 2

SHEET 8
COMPANY Wm. Cater, driller
FARM Lyons City Well

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
107	compact	10		1250	
108	Dolomite, glauconitic, fine sandy, buff-gray, pinkish, and greenish, very finely crystalline	10		1260	
109	Dolomite, glauconitic, fine sandy, red and green, sand partly rounded; a few chips shale, gray	10		1270	
110	Sandstone, dolomitic, glauconitic, greenish-pinkish, and buff gray, grains sub-round, very fine, some shale, dolomitic, green and gray, firm	10		1280	
111-12	Same	20		1290	
113	Same, a few flakes mica in the sandstone	10		1310	
114	Sandstone, dolomitic, glauconitic, greenish-gray, very fine, compact, scattered masses of pyrite crystals; some shale, dolomitic, glauconitic, gray and green, firm	10		1320	
115-16	Same	20		1330	
117	Sandstone, dolomitic, slightly glauconitic, buff, medium grained, rounded and frosted, fair cementation	10		1350	
118	Sandstone, dolomitic, pink and buff, coarse, rounded and	10		1360	

County Cook

T.-DRILL RECORD
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1901

C

SHEET 13



38 1 12 A 8.1

COMPANY Wm. Cater, driller
FARM Lyons City WellHOLE NO.
HOLE NO.

SHEET 14

38 1 12 E 8.1
HOLE NO.
HOLE NO. 2COMPANY Wm. Cater, driller
FARM Lyons City Well

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
159	Same	10		1780	
160	Sandstone, glauconitic, dolomitic, light gray, medium, rounded and frosted grains with some secondary crystallization, porous, poorly cemented; a few chips shale, caved	10		1790	
161	Sandstone, as above, with less dolomite cement	10		1800	
162	Same as 161	10		1810	
163	Sandstone, dolomitic, light brownish gray, fine, rounded and frosted, poorly cemented	10		1820	
164	Sandstone, very dolomitic, very glauconitic, gray, fine, subround to angular, some dolomite in medium to coarse crystals, poorly to well cemented, some pyrite	10		1830	
165	Sandstone, slightly dolomitic, gray, medium, rounded to angular grains with much secondary crystallization, a few scattered glauconite grains; fine lenticular and flat fragments of fossils(?) imbedded in sand; a few coarse chips white chert, may be caved; dark grayish brown siderite or dolomite surrounding sand masses, of very coarse size	10		1840	
66	Sandstone, white, fine, incoherent, much secondary crystallization	10		1850	
67-8	Same	20		1870	

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1901

SHEET 11

38

R. 12 N S. 1

COMPANY Wm. Cater, driller
FARM Lyons City Well

HOLE NO.

HOLE NO. 2

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
143	micaceous; shale, slightly dolomitic, dark green, and pinkish gray, tough, fissile, micaceous	10		1610	
143	Same	10		1620	
144	Mixture: sandstone, very dolomitic, glauconitic, buff, pink, and gray, very fine, compact, micaceous; shale, partly dolomitic, red, green, gray, weak to fairly firm	10		1630	
145	Shale, silty, red, weak; some shale, dark green, fissile, as in 42, caved; some sandstone as in 142, caved	10		1640	
146	Mixture: shale, sandy, dolomitic, red, tough, fissile, micaceous; grading to sandstone, argillaceous, dolomitic, red, very fine, well cemented, micaceous; a few chips shale, dark green as in 142, caved	10		1650	
147	Same, a few chips dolomite, light gray, caved	10		1660	
148	Mixture: sandstone, dolomitic, pinkish buff, very fine, well cemented, scattered very fine grains glauconite; shale, dolomitic, dark red and dark green, tough, fissile, micaceous; some shale, red, weak	10		1670	
149	Mixture: shale, sandy, dolomitic, dark red and dark green, tough, fissile, mi-				
	Cook				

SHEET 12

38

R. 12 N S. 1

COMPANY Wm. Cater, driller
FARM Lyons City Well

HOLE NO.

HOLE NO. 2

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	micaceous; sandstone, glauconitic, dolomitic, buff, gray, greenish, very fine, well cemented, some chips show green shale surfaces and some thin interlamination of shale and sandstone	10		1680	
150	Mixture: shale, red and green, as above; dolomite, sandy, very glauconitic, gray, fine grained, compact; some shale, bright green, weak	10		1690	
151	Same, but no bright green shale noted	10		1700	
152	Same as 151	10		1710	
153	Same	10		1720	
154	Mixture: dolomite, glauconitic, slightly sandy, light gray, fine grained, compact; shale, dolomitic, dark green and dark red, tough, fissile; a little shale, sandy, bright green, weak	10		1730	
155	Mostly dolomite as above; some shale, dark green and dark red, as above	10		1740	
156-7	Same	20		1750	
	Mixture: dolomite, very sandy, with fine to medium angular to rounded grains, very glauconitic, light gray, fine grained, compact; shale, dolomitic, dark red and dark gray, tough, fissile, micaceous; some shale, sandy, bright green, weak	10		1760	
	Cook				

SHEET 5



T. 38 N R. 12 E s. 1

COMPANY Wm. Cater, driller
FARM Lyons City Well

HOLE NO.

HOLE NO. 2

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
68	70 Same	30		890	
71	Same; a little shale, light blue, a little dolomite, light gray	10		900	
72	Mixture: sandstone, as above; dolomite, cherty, partly sandy, light gray, compact; shale, light blue, weak, somewhat sandy	10		910	
73	Same	10		920	
74	Dolomite, slightly sandy, light gray, finely crystalline, compact; some shale, light blue, somewhat sandy	10		930	
75	Dolomite, as above	10		940	
76	Dolomite, cherty with oolitic chert, light gray finely crystalline, compact	10		950	
77	Same	10		960	
78	Dolomite, cherty with white dense to porous chert, light gray, medium crystalline, vesicular, a few chips chert oolitic, a few scattered rounded sand grains	10		970	
79	Same, a few chips of dolomite, gray; few chips shale, caved	10		980	
80	No sample	10		990	
	Dolomite, sandy with rounded grains, cherty with porous chert, light gray to light buff, medium crystalline, probably vesicular; a few chips shale, gray, caved	10		1000	

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SHEET 5



T. 38 N R. 12 E s. 1

COMPANY Wm. Cater, driller
FARM Lyons City Well

HOLE NO.

HOLE NO. 2

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
81	Dolomite, sandy, cherty with porous to dense chert, light gray, medium crystalline, vesicular	10		1010	
82	Dolomite, buff with a few pink grains, very finely crystalline, compact, a few scattered sand grains; and shale, slightly sandy, dolomitic, light green to white, weak	10		1020	
83	Dolomite, slightly sandy, cherty with porous to dense chert containing inclusions of dolomite crystals, light buff, medium crystalline, a few crystals pyrite	10		1030	
84	Dolomite, slightly cherty with white porous chert, light gray, finely crystalline, compact	10		1040	
85	Same	10		1050	
	No sample	7		1057	
86	Mixture : dolomite, partly sandy, pink and gray, finely crystalline, compact; shale, red and light green, weak; and dolomite as above	1		1058	
87	Dolomite, cherty, light gray, very fine grained, compact, a few chips chert oolitic; a few chips shale, red and green, sand caved	2		1060	
88	Mixture: dolomite, light gray, very fine, compact; grading through dolomite, sandy, light				

County Cook

T.—DRILL RECORD
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Page 1

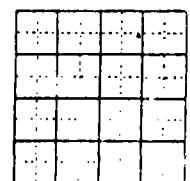
ILLINOIS GEOLOGICAL SURVEY, URBANA

ENGINEERING BORING	Thickness	Top	Bottom
D4-DS-400			
Topsoil-Brn f to cr sand, some clayey silt, litt f gravel	2.0		
Brn silty f to cr sand, litt f gravel, tr clay	7.8		
Gry silty clay, litt f to cr sand, tr f gravel	18.0		
Gry clayey silt, some f to cr sand, tr f to cr gravel	32.7		
Dolomite-lt-med gry, f to cr grain, vuggy, stylolitic bedding, cherty, porous zones, shale ptgs	196.6		
Dolomite-lt gry-white, slight vuggy, a few shale ptgs	208.1		
Dolomite-mottled med to drk gry, dr gry shale ptgs, slight vuggy, slight cherty, argillaceous	241.0		
Dolomite-mottled med gry & pink, argillaceous, shale ptgs	248.7		
Dolomite-lt gry mottled pink, med grain, drk gry shale ptgs, vuggy, argillaceous	308.0		
Dolomite-lt-med gry, f to med grain, gr shale prgs, cherty, argillaceous, vuggy	382.1		
Shale-bright grn, lt gry dolomite interbeds	387.0		

Typed by Warrenville

This composite log for soil & rock
 Logs of 98 borings filed at NE Ill Office
 *Metropolitan Sanitary Dist. of Greater Chicago
NO ENVELOPE

COMPANY Knoerle, Bender, Stone & Assoc.
 FARM *Des Plaines Riv. Syst. NO.
 DATE DRILLED 12/75 COUNTY NO. 26695
 AUTHORITY Company
 ELEVATION 507.9
 LOCATION SE, NW, NE



1-38N 12E

SHEET
COMPANY
FARMWm. Cater, driller
Lyons City WellMOORE
HOLE NO. 2

T. 38 S. R. 12 E. S. 1

HOLE NO.

HOLE NO.

No.

STRATA

Thickness

Depth

Feet In. Feet In.

	frosted grains, fair cementation	10		1370
119	Sandstone, slightly dolomitic, buff, coarse, rounded and frosted, poorly cemented	10		1380
120	Sandstone, slightly dolomitic, buff, coarse, rounded, frosted, incoherent	10		1390
121	Sandstone, slightly dolomitic, light buff, fine to medium, rounded, frosted, incoherent	10		1400
122	Same with some coarse sand	10		1410
123-4	Same	20		1430
125	Sandstone, slightly dolomitic, light buff, coarse, rounded, frosted, fairly incoherent	10		1450
126	Same	10		1450
127	Sandstone, slightly dolomitic, light buff, medium, rounded, frosted, incoherent	10		1460
128-9	Same	20		1480
130	Sandstone, white, fine, rounded and frosted, incoherent	10		1490
131	Same	10		1500
HAU CLAIRE				
132	Sandstone, very dolomitic, brown, fine, rounded, frosted, with some secondary crystallization, well cemented with dolomite	10		1510
133	Same	10		1530

County Cook

T.—DRILL RECORD
(27091—4M—11-29) 2

Sample Set #757

Index No.
1901 OSHEET
COMPANY
FARMWm. Cater, driller
Lyons City WellMOORE
HOLE NO. 2T. 38 S. R. 12 E. S. 1
HOLE NO.
HOLE NO. 2

No.

STRATA

Thickness

Depth

Feet

In.

Feet

In.

134	Same, but fine to very fine 30			1530
135	Mixture: dolomite, sandy, glauconitic, gray, very finely to coarsely crystalline; shale, light gray, weak, falls apart in water; shale, dolomitic, dark gray, tough	10		1540
136	Sandstones, glauconitic, dolomitic, buff to gray, very fine, subangular grains; some shale, slightly dolomitic, partly sandy, dark green, tough, fissile, some glauconite	10		1550
137	Same; with some shale, sandy, light greenish gray, weak	10		1560
138	Mixture: sandstone, dolomitic, glauconitic, pink, very fine, micaceous, fairly well cemented; some shale, partly sandy and glauconitic, slightly dolomitic, dark green, tough, fissile; a few scattered chips dolomite, light gray, caved(?)	10		1570
139	Same, with some shale, similar to dark green but with pink tint	10		1580
140	Same as 139; also some shale, sandy, light greenish gray, weak	10		1590
141	Same as 138	10		1600
142	Mixture: sandstone, dolomitic, glauconitic, pinkish and greenish, gray, very fine, fairly compact,			

County Cook

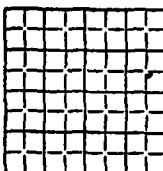
T.—DRILL RECORD
(27091—4M—11-29) 2

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1901 O

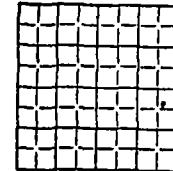
COMPANY Cook County Forest Preserve
 FARM Ottawa Trail Woods. NO.
 DATE DRILLED
 AUTHORITY
 COLLECTOR R. Fisher ELEVATION
 Loc. by G. E. Ekblaw NW cor SE SE NE

1-38N-12E



COMPANY Cook County Forest Preserve
 FARM Ottawa Woods. Grove #1 NO.
 DATE DRILLED
 AUTHORITY
 COLLECTOR R. Fisher ELEVATION
 Loc. by G. E. Ekblaw SW NE NE SE

1-38N-12E



No.	See map 3-16-22 for Loc.	Thickness		Depth	
		Feet	In.	Feet	In.
	Ottawa Trail Woods. Grove #2 1st Pump S. Joliet Rd., 500' W. Harlem Ave., at Parking Area.				
	Depth of well Distance to water 37' $4\frac{1}{2}$ " casing to 6' 4" casing to bottom of rock. Cylinder: $2\frac{1}{2}$ x 10" Brass		65		
	Number, size and length of drop pipes: 3- $1\frac{1}{4}$ " x 18' to cyl., 1- $1\frac{1}{4}$ " x 6' below Casing extends into pump 1" Pumps easy with 5 strokes required to get water. Pumps a good stream.				
	Well goes dry in a dry summer.				

COUNTY Cook

SAMPLE SET NO.
(24159-30M-9-46)

1-38N-12E

ILLINOIS GEOLOGICAL SURVEY, URBANA

COUNTY Cook

SAMPLE SET NO.
(24159-30M-9-46)

1-38N-12E

ILLINOIS GEOLOGICAL SURVEY, URBANA

SHEET 4 R. 12th S. 4
 COMPANY Pub. Serv. Co. of N. H.
 FARM LaGrange City Well HOLE NO. 4

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
29	Dolomite, as above	20		545	
30	Same	20		565	
31	Same, but medium crystalline; some shale as above, caved	20		585	
32	Dolomite, as above	20		605	
33	Same	20		625	
34	Same	20		645	
35	Same, but finely crystalline	20		665	
36	Dolomite, light brown with dark bluish gray spots, finely crystalline, vesicular	20		685	
37	Same	20		705	
38	Dolomite, gray, very finely crystalline	20		725	
39	Limestone, mottled light to medium gray, fine grained, a few chips dark gray, slightly argillaceous	20		745	
40	Dolomite, light brown, very finely crystalline, compact	20		765	
41	Dolomite, light brown with dark gray spots, finely crystalline, somewhat vesicular	20		785	
PT. PETER					
42	Sandstone, very dolomitic, gray, medium, poorly sorted, rounded and frosted grains, scattered small masses of cementing pyrite	10		795	
43	Sandstone, white, medium, rounded and frosted grains	10		805	

Cook

County

T.—DRILL RECORD
(27091—4M—11-29)

Sample Set #814

Index No.

1904

SHEET 4 R. 12th S. 4
 COMPANY Pub. Serv. Co. of N. H.
 FARM LaGrange City Well HOLE NO. 4

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
44	Sandstone, white, fine, rounded and frosted	20		825	
45	Sandstone, white, medium, rounded and frosted	20		845	
46	Sandstone, yellow-brown, fine to very fine, iron stained, larger grains rounded and frosted	20		865	
47	Sandstone, white, fine, rounded and frosted containing iron rust introduced while drilling	20		885	
48	Sandstone, yellow-brown, fine, iron stained, rounded and frosted	20		905	
49	Sandstone, light buff, fine, iron stained, rounded and frosted	20		925	
50	Sandstone, white stained by iron rust introduced while drilling, fine, rounded and frosted	20		945	
51	Sandstone, buff, very fine, larger grains rounded and frosted	20		965	
52	Sandstone, buff, medium, rounded and frosted a few chips fairly well cemented with silica, indicate that all the sandstone is white but has been stained by driller's tools or on exposure to air, scattered small masses of cementing pyrite	20		985	

Cook

County

T.—DRILL RECORD
(27091—4M—11-29)

Sample Set #814

Index No.

1904

SHEET 5 T. 38N R. 12E S.4
 COMPANY Pub. Serv. Co. of N. H.
 FARM LaGrange City Well HOLE NO. 44

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
53	Sandstone, white, fine, rounded and frosted, iron stained	20		1005	
54	Same; and a little dolomite, white, very finely crystalline, compact, may be caved from Niagaran; a few chips white porous chert; slightly iron stained by tools	20		1025	
55	Sandstone, buff, medium, rounded and frosted, iron stained	20		1045	
56	Sandstone, yellow-brown, fine, rounded and frosted, iron stained	20		1065	
57	Sandstone, buff, very fine, iron stained	20		1085	
58	Sandstone, yellow-brown, medium, poorly sorted, larger grains rounded and frosted, iron stained	20		1105	
59	Sandstone, pinkish buff, fine, poorly sorted, rounded and frosted larger grains	20		1125	
60	Sandstone, yellow brown, medium, well sorted, well rounded and frosted, probably originally yellow brown color	20		1150	
61	Mixture: clay, non-calcareous, red and white, soft, granular appearance, a product of weathering;				

County Cook

T.-DRILL RECORD
(27091-4M-11-29) 2

Sample Set #814

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SHEET 6 T. 38N R. 12E S.4
 COMPANY Pub. Serv. Co. of N. H.
 FARM LaGrange City well HOLE NO. 44

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	shale, non-calcareous, gray and blue, weak, smooth, fine texture, some sandy; dolomite pebbles, white, very finely crystalline, roughly rounded surfaces; chert, white and pink, dense; sandstone, white, medium, well cemented with silica	6		1155	
62	Mixture: clay, red, blue, and gray, slightly sandy, weak; chert, white, dense and porous, colitic; some sand, loose	10		1165	
63	No sample. Note by Public Service Co: "Lost. Inspection of contractors samples shows pink shale with white chert particles"	20		1185	
64	Mixture: similar to 62 but with larger proportion of blue shale, some dark green shale, and larger proportion of sand	20		1205	
65	Mixture: mostly clay, mostly red with blue spots, containing very few sand grains; some chert as above; some clay, blue, very fine, sandy, weak; some sandstone white, very fine, loosely cemented, rounded pieces, probably caved and worn	20		1225	

in drilling

County Cook

T.-DRILL RECORD
(27091-4M-11-29) 2

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1904

SHEET 7 T. 36N R. 12E S. 4
 COMPANY Pub. Serv. Co. of N. H.
 FARM LaGrange City Well

HOLE NO.
HOLE NO. 111

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
66	Mixture: clay, red, weak; chert, white and pink, dolitic, porous and dense, sandstone, dolomitic, glauconitic, red, gray, and green, very fine, compact	20		1245	
67	Mixture: sandstone, light gray, medium, rounded and frosted, poorly sorted, incoherent; chert, dolitic, light gray to white, dense and porous, a little clay, red and blue, weak; a little sandstone, dolomitic, glauconitic, light gray, very fine, compact	28		1273	
MAZMANIE					
68	Sandstone, dolomitic, glauconitic, light greenish gray, very fine, angular glass, grains, fairly well cemented	22		1295	
69	Same; grading to shale, dolomitic, sandy, gray, tough	20		1315	
70	Sandstone as in 68, but finer, scattered flakes mica	20		1335	
71	Dolomite, sandy, with coarse rounded grains, glauconitic, light buff, coarse grained	20		1355	

County Cook
 T.-DRILL RECORD
 (27091-4M-11-39) 2

Sample Set #814

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 1904

SHEET 8 T. 36N R. 12E S. 4
 COMPANY Pub. Serv. Co. of N. H.
 FARM LaGrange City Well

HOLE NO. //

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	DRESBACH				
72	Sandstone, slightly dolomitic, buff, medium, poorly sorted, incoherent, rounded and frosted	20		1375	
73	Same, stained brown with iron from tools	20		1395	
74	Same as 73	20		1415	
75	No sample, Pub. Serv. Co. Notes: "Same material as the sample before and after"	20		1435	
76	Sandstone, buff, medium, incoherent, rounded and frosted, iron stained	20		1455	
77	Sandstone, buff, medium, incoherent, poorly sorted, larger grains rounded and frosted, not iron stained	20		1475	
78	Same; with a little brown clay	20		1495	
79	Sandstone, as above; and clay, sandy, dolomitic brown, weak	20		1515	
80	Sandstone, slightly argillaceous, slightly dolomitic, light buff-gray, fine, fairly incoherent, containing pebbles of shale, dolomitic silty, brown, firm, rounded	20		1535	
	EAU CLAIRE				
81	Mixture: dolomite, sandy, slightly glauconitic, gray, some black grains,				

County Cook
 T.-DRILL RECORD
 (27091-4M-11-39) 2

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SHEET 9
COMPANY Pub. Serv. Co. of N. Y.
FARM LaGrange City Well
HOLE NO. 4

12E

S. 4

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
82	finely crystalline, compact; shale, dark gray, firm	20		1555	
83	Mixture: sandstone, dolomitic, glauconitic, gray, very fine, compact, very little different from sandy dolomite above; shale, dark gray, firm; and shale, sandy, gray, weak	20		1575	
84	Shale, very sandy, greenish gray, firm, containing thin interlaminations of sandstone, dolomitic, glauconitic, buff, pink, and gray, very fine, compact	20		1595	
85	Mixture: sandstone, glauconitic, dolomitic, gray, very fine, compact; and shale, slightly sandy, greenish gray, micaceous firm	20		1615	
86	Same	20		1635	
87	Shale, grayish red, weak	20		1655	
88	Shale, greenish gray, weak, micaceous	20		1675	
89	Shale, green, weak; a little shale, gray, firm	20		1695	
90	Shale, green, weak	20		1715	
91	Mixture: dolomite, very fine sandy, glauconitic, light gray, finely	20		1735	

County Cook

T.—DRILL RECORD
(27091—4M—11-29) 2

Sample Set #814

Index No. 1904 O

SHEET 10
COMPANY Pub. Serv. Co. of N. Y.
FARM LaGrange City Well
HOLE NO. 4

12E

S. 4

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	crystalline, compact; shale, slightly sandy, gray, green and brown, micaceous, firm, some chips showing interlamination with thin beds of very dolomitic sandstone, similar to the sandy dolomite	15		1750	
92	Same, with only small proportion of shale	20		1770	
93	Same as 92	15		1785	
94	Same	15		1800	
95	Sandstone, dolomitic, glauconitic, light gray, fine, rounded and frosted grains, poorly cemented	20		1820	
96	Mixture: dolomite, very sandy, very glauconitic, light gray, fine, compact; shale, gray and green, firm (may be largely caved from near 1750)	20		1840	
MT. SIMON					
97	Sandstone, light buff, fine, incoherent, rounded and frosted, much secondary crystallization	20		1860	
98	Same	10		1870	
99	Same	20		1890	
100	Mixture: sandstone as above; dolomitic, slightly glauconitic, sandstone, light buff, fine, grading to siltstone, dolomitic,				

County Cook

T.—DRILL RECORD
(27091—4M—11-29) 2

Sample Set #814

Index No. 1904 O

SHEET

11

T. 10

R. 12^o S. 4COMPANY Pub. Surv. Co. of N. H.
FARM LaGrange City Well

HOLE NO. 4

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	compact; sand shale, green and dark grayish red, firm, (this sample may be largely caved from about 1750)	20		1910	
101	Sandstone, light gray, fine, rounded and frosted, in- coherent	20		1930	
102	Sandstone, buff, medium, poorly sorted, incoherent	20		1950	
103	Sandstone, buff, coarse, rounded and frosted, in- coherent	10		1960	
104	Sandstone, buff, very fine, poorly sorted, incoherent	10		1970	
105	Sandstone, buff, coarse, rounded and frosted, poorly sorted, incoherent	6		1976	
106	Sandstone, buff, fine, poorly sorted, incoherent	27		2003	
107	Sandstone, buff, medium, poorly sorted, incoherent	5		2008	

See Sample Study by C.E. Needham in file.

County Cook

T.—DRILL RECORD

(27091—4M—11-29) 3

Sample Set #814

Index No.

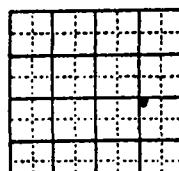
2904

Page 1

ILLINOIS GEOLOGICAL SURVEY, URBANA

	Thickness	Top	Bottom
Summary Sample Study by L.E. Workman			
QUATERNARY SYSTEM			
Pleistocene Series			
Clay, pebbly, dolomitic, tan to black	20	20	
SILURIAN SYSTEM			
Niagaran Series			
Dolomite, light gray, weathered, very finely crystalline	40	60	
Dolomite, light gray with brown spots, very fine	20	80	
Dolomite, white, coarse	20	100	
Dolomite, cherty, light buff, very fine	40	140	
Dolomite, cherty, light gray, very fine	20	160	
Dolomite, slightly cherty, brownish light gray, very fine	40	200	
Dolomite, light gray and pink, very fine	20	220	
Alexandrian Series			
Dolomite, gray, very fine	40	260	
Dolomite, cherty, gray, coarse, vesicular	40	300	
Dolomite, gray, very fine; some dolomite, argillaceous, brown	20	320	
Dolomite, cherty, brownish gray very fine	45	365	
ORDOVICIAN SYSTEM			
Cincinnatian Series			
Maquoketa Group			

COMPANY Wm. Cater
 FARM LaGrange City Well NO. 4
 DATE DRILLED 1928 COUNTY NO. 1608
 AUTHORITY 629 G.L.
 ELEVATION 2700' N line, 1200' E line of Sec.
 LOCATION COOK
 COUNTY SS# 814



4-38N-12E

Page 2

ILLINOIS GEOLOGICAL SURVEY, URBANA

	Thickness	Top	Bottom
Shale, dolomitic, dark gray	20		38
Shale, dolomitic, brown; some dolomite, brown, coarse	20		40
Shale, dolomitic, dark gray to brown	60		46
Champlainian Series			
Galena-Platteville Dolomite Groups			
Dolomite, light brown, finely crystalline	100		56
Dolomite, light brown, medium crystalline	80		64
Dolomite, light brown, finely crystalline	20		66
Dolomite, light brown with dark spots, fine vesicular	40		70
Dolomite, gray, very fine	20		72
Limestone, mottled light to medium gray, fine grained	20		74
Dolomite, light brown very fine	20		76
Dolomite, light brown with dark spots, fine	20		78
Glenwood-St. Peter Sandstone			
Sandstone, dolomitic, gray, medium grained, pyritic	10		79
Sandstone, white, medium	50		84
Sandstone, yellow-brown, fine	20		86
Sandstone, buff to whitish, fine	180		104
Sandstone, yellow-brown, fine	20		106
Sandstone, buff, very fine	20		108
Sandstone, buff, fine to medium	40		112
Sandstone, yellow-brown, medium	25		115
Shale, red, blue, gray, and white, soft; chert pebbles oolitic, white and pink; dolomite pebbles, white, weathered	55		120
Same, with large proportion red shale	40		124
Sandstone, light gray, medium; chert, oolitic, gray to white;			
Wm. Cater			
COUNTY COOK	SS# 814	4-38N-12E	
LaGrange City Well #4			

ILLINOIS GEOLOGICAL SURVEY, URBANA

	Thickness	Top	Bottom
some shale, red and blue, weak CAMBRIAN SYSTEM	29		1273
Croixan Series			
Franconia Formation			
Sandstone, glauconitic, dolomitic, light greenish gray	22	1295	
Same; grading to shale, dolomitic, sandy, gray	20	1315	
Sandstone, as above	20	1335	
Ironton-Galesville Sandstones			
Dolomite, sandy with coarse grains, glauconitic, light buff	20	1355	
Sandstone, slightly dolomitic, buff, medium grained	120	1475	
Sandstone, as above; a little clay brown, sandy, weak	40	1515	
Sandstone, light buff, fine; a few pebbles of shale, dolomitic, brown	20	1535	
Eau Claire Formation			
Dolomite, sandy, glauconitic, gray; shale dark gray, sandy	60	1595	
Sandstone, glauconitic, dolomitic, gray, very fine; shale, greenish gray	40	1635	
Shale, red	20	1655	
Shale, greenish gray	20	1675	
Shale, greenish gray and red	20	1695	
Shale, green	40	1735	
Dolomite, sandy, glauconitic, light gray; shale, sandy, gray, green, and brown,	50	1785	
Same; and shale, green, weak	15	1800	
Sandstone, dolomitic, glauconitic, light gray, fine	20	1820	
Dolomite, very sandy, glauconitic, light gray; shale, dark gray	20	1840	
Mt. Simon Sandstone			

Wm. Dater
COUNTY COOK

SS# 814

LaGrange City Well #4
4-38N-12E

ILLINOIS GEOLOGICAL SURVEY, URBANA

	Thickness	Top	Bottom
Sandstone, buff, fine	70		1910
Sandstone, light gray, fine	20		1930
Sandstone, buff, medium	20		1950
Sandstone, buff, coarse	10		1960
Sandstone, buff, very fine	10		1970
Sandstone, buff, coarse	6		1976
Sandstone, buff, fine	27		2003
Sandstone, buff, medium	5		2008
From Bulletin #40			TD
Hole Record:			
19 $\frac{1}{4}$ " 0 - 507'9"			
15 $\frac{1}{4}$ " 507'9" - 1269'11"			
12 $\frac{1}{4}$ " 1269'11" - 1417'11"			
10" 1417'11" - 2008'			
Casing and Liner Record:			
20" 0 - 23'			
18" liner 378'7" - 507'9"			
12 $\frac{1}{2}$ " liner 1102'9" - 1269'11"			
All measurements from top of casing 631.50' A.T.			

Wm. Cater
COUNTY COOK

SS# 814

LaGrange City Well
4-38N-12E

TOWN LaGrange TOWNSHIP
COMPANY Pub. Serv. Co. of N. Ill.

FARM LaGrange City Well No. 4

AUTHORITY

ELEVATION 629.25

COLLECTOR

DATE DRILLED

1928 by Wm. Carter

CONFIDENTIAL

SAMPLE SET NO. 814

Con. Tilden Crassity Area

Map No. 19

R. 12E

Sec. 4

SW.	SW. COR.
N	NE 4
SE 4	SW 4

No.	All measurements from top casing. 631.50 el. STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
Soil (PLEISTOCENE)					
1	Clay, pebbly, dolomitic, sandy, tan to black	20		20	
2	Dolomite, light gray, very finely crystalline, chips coated with yellow clay, weathered	20		40	
3	Same	20		60	
4	Dolomite, light gray with light brown spots, very finely crystalline	20		80	
5	Dolomite, white, coarse grained, semi-crystalline	20		100	
6	Dolomite, cherty, light buff, very finely crystalline	20		120	
7	Same, but slightly cherty	20		140	
8	Dolomite, cherty, light gray, very finely crystalline	20		160	
9	Dolomite, brownish light gray, very finely crystalline	20		180	
10	Same, but slightly cherty	20		200	
11	Dolomite, light gray and pinkish gray, very finely crystalline	20		220	
12	Dolomite, gray, very fine grained, compact	20		240	
13	Same	20		260	
Cook					

County
T.—DRILL RECORD

Index No. 1904

SHEET 2

T. 12 R. 12 S. 4

COMPANY Pub. Serv. Co. of N. Ill.

FARM LaGrange City Well

HOLE NO. 4

HOLE NO. 4

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
14	Delomite, cherty, gray, coarse grained, semi-crystalline, vesicular	20		280	
15	Same, but not so vesicular	20		300	
16	Dolomite, gray, very finely crystalline, compact; a few chips of dolomite, argillaceous, brown with black specks	20		320	
17	Dolomite, cherty, brownish gray, very fine grained, compact	20		340	
18	Dolomite, cherty, gray with black specks, very finely crystalline, compact	20		360	
19	Same, grading to dark brownish gray	5		365	
MAQUOKETA					
20	Shale, dolomitic, dark gray	20		385	
21	Shale, dolomitic, brown; a few chips dolomite, brown, coarse grained	20		405	
22	Shale, dolomitic, dark gray to brown	20		425	
23	Same	20		445	
24	Same	20		465	
GALENA-PLATTEVILLE					
25	Dolomite, light brown, finely crystalline, slightly vesicular	5		470	
26	Same	15		485	
27	Same	20		505	
28	Same; some caved shale, dolomitic, gray	20		525	

County Cook

T.—DRILL RECORD

(37091-4M-11-29) :

Sample Set #814

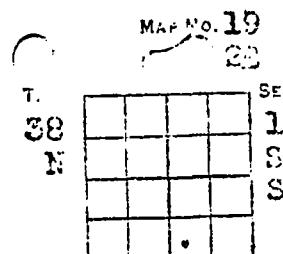
Index No. 1904

TOWN Summit TOWNSHIP LYONS
COMPANY J. P. Miller Well Co. NO.
FIRM Summit City #2 NO.
AUTHORITY Summit Village Clerk

ELEVATION 600

COLLECTOR

CONFIDENTIAL DATE DRILLED 1908
600' Northwest of post office



495' S line, 280' E line of SE

No.	THICKNESS		DEPTH	
	FEET	IN.	FEET	IN.
Entered rock	at		58	
" water sand	at		1200	
" water sand	at		1500	
Total depth			1547	
200 feet of 10" casing				
Maximum yield 250 g.p.m.				

COUNTY Cook

DRILL RECORD

(AC578-10A-10-SW)

INDEX NO.

1912

ILLINOIS GEOLOGICAL SURVEY, URBANA

John C. Moore Corporation, Rochester, N. Y. Binder and holes in leaves, each Patented 1906. No. 8228

TOWN Satt OWNERSHIP
COMPANY Cook Engineering & Const. Co.
FARM Summit City Well #3 No. 2
AUTHORITY J. P. Miller
ELEVATION 603' G.L.
COLLECTOR GBA DATE DRILLED 1914
CONFIDENTIAL
200' SL, 1850' EL of SE

Map No. 9
R. 12 E
Sec. 38
N
12

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Drift	58		58	
	Niagara limestone	280		338	
	Maquoketa shale	142		480	
	Galena-Platteville limestone	322		802	
	St. Peter sandstone	130		932	
	Lower Magnesian limestone	428		1340	
	Jordan sandstone	195		1535	
	St. Louis sandstone	30		1565	
	Shale	80		1645	
	Red rock	65		1710	
	Shale	70		1780	
	Limestone	22		1802	
	Sandstone	58		1860	
	Shale, green	10		1870	

NO ENVELOPE.

County COOK

Index No.

1900

T.—DRILL RECORD

12- 38N-12E

Illinois Geological Survey, Urbana.

Page 1

(82565-20M-1-51)

ILLINOIS GEOLOGICAL SURVEY, URBANA

Strata	Thickness	Top	Bottom
Clay	55	0	55
Mud	5	55	60
Mud and gravel	21	60	81
Broken lime	9	81	90
Lime	2	90	92
Broken lime and sand	25	92	117
Lime	13	117	130
Broken lime	30	130	160
Lime	233	160	393

COMPANY J. P. Miller Artesian Well Co.
 FARM Plainview School Dist. #106K
 DATE DRILLED 1951 COUNTY NO.
 AUTHORITY J. P. Miller Artesian Well Co.
 ELEVATION 1700' N. line, 2000' S. line of SW SW
 LOCATION COOK

.....
.....
.....
.....
.....

17-38-12E

Page 1

(88210-20M-4-53)

ILLINOIS GEOLOGICAL SURVEY, URBANA

Strata	Thickness	Top	Bottom
Mud & Clay	0	34	34
Lime	34	143	143
Lime	143	325	TD
8" hole			
Casing: 6" cemented in at 143'			
Location: 55th & LaGrange Rd. LaGrange, Ill.			
S.S. # 24178			

COMPANY J.P. Miller Artesian Well Co.
 FARM South Wind Motel NO.
 DATE DRILLED 1954 COUNTY NO.
 AUTHORITY J.P. Miller Artesian Well Co.
 ELEVATION 2000' N line, 150' W line of NE
 LOCATION COOK

.....
.....
.....
.....
.....

16-38N-12E

SHEET 3 T. 38N R. 12E S. 11
COMPANY J.P. Miller Art. Well Co.
FARM Lewis Tar Products Co.

NO.
NO. 8

No.	Strata	Thickness		Depth	
		Foot	In.	Foot	In.
	stone lenses, at base	17		738	
	Limestone, dolomitic, white to buff mottled, lithographic	38		770	
	Dolomite, buff, slightly grey mottled, very fine	25		795	
	Limestone, very dolomitic, buff, very sandy at base	16		811	
	Glenwood formation				
	Sandstone, slightly calcareous, light grey, fine, medium to coarse, friable; little shale, brown	4		815	
	St. Peter formation				
	Sandstone, white, fine to coarse, incoherent	5		830	
	Sandstone, white, very fine to medium, incoherent, silty	20		840	
	Sandstone, white, very fine to coarse, incoherent	25		855	
	Sandstone, white, very fine to medium, incoherent, silty	25		890	
	Sandstone, white, very fine to coarse, incoherent	35		925	
	Same, silty	40		965	
	Same, non-silty	50		1015	
	Sandstone, slightly dolomitic, white, fine to coarse; chert, white to buff; little shale, sandy, light grey	15		1030	
	Chert, partly calcareous, silitic, to dense, white to buff	5		1035	
	Shale, light grey to green, weak	4		1039	
	Oncota formation				
	Dolomite, very sherty (partly silitic), buff, very fine; drusy quartz	6		1045	

COUNTY COOK
SAMPLE SET NO. 10,746
(84107-20M-6-45)

ILLINOIS GEOLOGICAL SURVEY, URBANA

SHEET 4 T. 38N R. 12E S. 11
COMPANY J.P. Miller Art. Well Co.
FARM Lewis Tar Products Co.

NO.
NO. 8

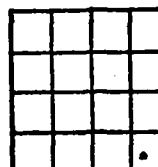
No.	Strata	Thickness		Depth	
		Foot	In.	Foot	In.
	Dolomite, sherty, buff, fine; little shale, weak, near base	25		1070	
	Dolomite, sherty, partly silitic, buff, very fine; sandstone, partly dolomitic, white, medium to coarse, incoherent, compact	30		1090	
	CAMERIAN SYSTEM				
	Trempealeau formation				
	Dolomite, slightly sherty, sandy, buff, few pink, very fine to fine	30		1120	
	Dolomite, slightly glauconitic, sandy, white to light buff, fine to medium	22		1142	
	Dolomite, slightly glauconitic, light buff, very fine to fine	18		1160	
	Dolomite, sandy, light buff, very fine	18		1172	

COUNTY COOK
SAMPLE SET NO. 10,746
(84107-20M-6-45)

ILLINOIS GEOLOGICAL SURVEY, URBANA

11-38N-12E

PROPER WELL LOCATION.

Metropolitain Sanitary District - 1st well
GEOLOGICAL AND WATER SURVEYS WELL RECORD
Completed 10-14-7410. Property owner Santa Fe Rail Road Well No. TW 14 - 6Address HodskinsDriller Wehling Well Works, Inc. License No. 92-59311. Permit No. 33506 Date 9-30-7412. Water from Formation 13. County Cookat depth to ft.Sec. 1514. Screen: Diam. in.Twp. 38NLength: ft. Slot Rge. 12E

500' N 400' S WSW SE SE

Elev.

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
12	Black steel	0	60
	cemented		

SHOW
LOCATION IN
SECTION PLAT
500' SL, 400'
WL, SW SE SE
(permit)

16. Size Hole below casing: 12 in.17. Static level 144 ft. below casing top which is ft.
above ground level. Pumping level 151 ft. when pumping at 45
gpm for 45 hours.

18. FORMATIONS PASSED THROUGH		THICKNESS	DEPTH OF BOTTOM
Lud & Fill		0	17
Gravel & Rock		17	38
Gravel		33	43
Lime		43	323
Shale		328	333
Lime & Shale		333	337
Lime		337	365
Shale		365	390

1st well - Metropolitan Sanitary District

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wehling Well Works, Inc. DATE 1-22-75COOK
Richard H. Wehling
15-38N-12E

COUNTY No. 24990...

STATE OFFICE BUILDING, SPRINGFIELD,
CAL/WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Completed 10-25-72 can Material
10. Property owner HKH Dev. Corp. Well No. Address 500 W. Plainfield Rd. Countryside, Ill.
Driller Wehling Well Works, License No. 92-5611. Permit No. 16954 Date 3-24-7212. Water from Formation 13. County Cookat depth to ft.14. Screen: Diam. in.Length: ft. Slot Rge. 12EElev.

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6	galv. seamless	0	40

SHOW
LOCATION IN
SECTION PLAT
590' SL, 1250'
EL, NE (Permit

16. Size Hole below casing: 5-7/8 in.17. Static level ft. below casing top which is ft.
above ground level. Pumping level ft. when pumping at
gpm for hours.

18. FORMATIONS PASSED THROUGH		THICKNESS	DEPTH OF BOTTOM
Clay		24	24
Gravel		8	32
Lime		218	250

Mislocated?
Supposedly on Plainfield Rd.,
15-38N-12E, Sec 15

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wehling Well Works, Inc. DATE 11-3-72COOK
COUNTY No. 4290...

14-38N-12E

ILLINOIS GEOLOGICAL SURVEY, URBANA

Permit # 23150	Thickness	Top	Bottom
Drift		0	40
Niagaran		40	328
Maquoketa		328	470
Galena-Platteville		470	800
St. Peter sandstone		800	970
Prairie du Chien dolomite		970	1193
Total Depth			1193
Casing: 10" - 50' 8" - 485' cemented Size hole 10"-485' 8" - 1193'			
Static level 575' below casing top which is 1½' above ground level. Pumping level 585' when pumping at 80 gpm for 1 hour.			
Water from limestone at depth 950 to 1193'.			
Reference point for above measurements-grade.			
Drillers log filed			
SS# 58851			

PROPER WELL LOCATION.

EST W FOR Metropolitan Sanitary District
GEOLOGICAL AND WATER SURVEYS WELL RECORD

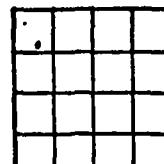
Completed 11-1-74

10. Property owner Pelron Corporation Well No. TW-74-7Address 7817 W. 17th St., Lyons, IllinoisDriller Wehling Well Works, License No. 92-59811. Permit No. 33817 Date 10-11-7412. Water from _____ 13. County Cook

Formation at depth _____ to _____ ft.

Sec. 1214. Screen: Diam. _____ in. Twp. 38NLength: _____ ft. Slot _____ Rge. 12E

15. Casing and Liner Pipe Elev. _____

SHOW
LOCATION IN
SECTION PLAT1121' NL, 704'
WL, NW NW NW
(permit)16. Size Hole below casing: 12 in.17. Static level 75 ft. below casing top which is _____ ft.
above ground level. Pumping level _____ ft. when pumping at _____
gpm for _____ hours.

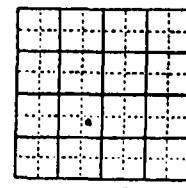
18. FORMATIONS PASSED THROUGH	THICKNESS TOP	DEPTH OF BOTTOM
drift	0	65' 6"
lime	65' 6"	211

Observation: Well Metropolitan Sanitary District
(CONTINUE ON SEPARATE SHEET IF NECESSARY)SIGNED Wehling Well Works, Inc. DATE 1-22-75

Richard H. Wehling G6
COOK 12-38N-12E

COUNTY NO. 4493

COMPANY J.P. Miller Artesian
FARM Chicago Metr. Sanitary Dist. No. 1-73
DATE DRILLED August, 1973
AUTHORITY Company
ELEVATION 1800'
LOCATION line, 2100' line of SW SWS
COUNTY COOK



12-38N-12E

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

- | | | | |
|---|----------------------------|-------------|---------|
| 10. Dept. Mines and Minerals permit No. | 4036 | Year | 1968 |
| 11. Property owner | S. A. Nealy Co. | Well No. | 1 |
| Address | r. o. box 11, McCook, Ill. | | |
| Driller | S. J. Wehling | License No. | 92-56 |
| 12. Water from | | 13. County | Cook |
| | Formation | | |
| at depth | to | ft. | Sec. 12 |
| 14. Screen: Diam. | in. | Twp. 3SW | |
| Length: | ft. Slot | Rng. 12E | |
| S 1S & 200'W NEcSW (Permit) | | | |
| 15. Casing and Liner Pipe | Elev. | | |

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)	SHOW LOCATION IN SECTION PLAT
6	Galv. R & D Smls.	0	52	

16. Size Hole below casing: 5-7/8 in.
17. Static level 30 ft. below casing top which is _____ ft
above ground level. Pumping level 45 ft. when pumping at 20
gpm for 3 hours.

S.S. 55815

SIGNED E. C. Wehling, Pres. DATE Oct. 31, 1968

COUNTY NO. 798

12-3°N-12E

ILLINOIS GEOLOGICAL SURVEY, URBANA

200

Permit # 23150	Thickness	Top	Bottom
Drift		0	40
Niagaran		40	328
Maquoketa		328	470
Galena-Platteville		470	800
St. Peter sandstone		800	970
Prairie du Chein dolomite		970	1193
Total Depth			1193
Casing: 10" - 50' 8" - 485' cemented			
Size hole 10"-485' 8" - 1193'			
Static level 575' below casing top which is 1½' above ground level. Pumping level 585' when pumping at 80 gpm for 1 hour.			
Water from limestone at depth 950 to 1193'.			
Reference point for above measurements-grade.			
Drillers log filed			

COMPANY J.P. Miller Artesian
ARM Chicago Metr. Sanitary Dist. NO. 1-73
DATE DRILLED August, 1973 COUNTY NO. 4459
AUTHORITY Company
ELEVATION
LOCATION 1300' S line, 1500' W line of SW
COUNTY COOK

N
6

TOWN Argo

TOWNSHIP Lyons

MAP NO. 19

R. 12E

NO.

COMPANY

FARM Corn Products Refining Co. #7

AUTHORITY Blueprint drawing 71-a-87

ELEVATION by JWP dated 10-1-17

T.

S8

N

SEC.

23

COLLECTOR

CONFIDENTIAL

DATE DRILLED
405° N. line, 1010° 6" E. line

NO.	STRATA	THICKNESS		DEPTH	
		FEET	IN.	FEET	IN.
	Pleistocene system				
	Glacial drift	38		38	
	Silurian system				
	Dolomite	310		348	
	Ordovician system				
	Maquoketa shale	127		475	
	Galena-Platteville dolomite	325		800	
	St. Peter formation				
	Sandstone	443		1243	
	Shale	12		1255	
	Ordevician-Cambrian systems)				
	Oncota-Trempealeau dol.				
	Cambrian system	275			
	Franconia dolc. sandstone)				
	Galesville sandstone)		1530	
	Eau Claire				
	Shale and dolomite	270		1800	
	Sandstone	70		1870	
	44' of 12" pipe	0-44'			
	303' of 12" hole	44-347'			
	128' of 10" pipe, 12" bore	347-475'			
	599' of 6" water pipe	0-599'			
	764' of 10" hole	475-1239'			
	27' of 8" pipe, 10" bore	1239-1266'			
	604' of 8" hole	1266-1870'			
	620' of 6" perforated pipe	(7/26/24)			
		1250-1870'			
	Top of Air Head--2" pipe	- 527'			
	Water level when completed	2/12/14 - 112'			

COUNTY Cook

INDEX NO. 1923

DRILL RECORD

(A6572-15M-10-39)

ILLINOIS GEOLOGICAL SURVEY, URBANA

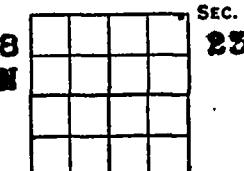


TOWN Argo

TOWNSHIP Lyons

MAP NO. 19
R. 12E

COMPANY

FARM Corn Products Refining Co. #4
AUTHORITY Blueprint drawing 71-A-87
ELEVATION by JWP dated 10-1-17

COLLECTOR

CONFIDENTIAL

DATE DRILLED

40° N. line, 270° E. line

NO.	STRATA	THICKNESS		DEPTH	
		FEET	IN.	FEET	IN.
	Pleistocene system				
	Glacial drift	40		40	
	Silurian system				
	Dolomite	307		347	
	Ordovician system				
	Maquoketa shale	130		477	
	Galena-Platteville dolomite	323		800	
	St. Peter formation				
	Sandstone	266		1060	
	Shale	20		1080	
	Ordovician-Cambrian systems				
	Oneota-Trempealeau shls.	175		1255	
	Cambrian system				
	Franconia dolc. sandstone	295		1550	
	Galesville sandstone	295		1550	
	Eau Claire				
	Shale and dolomite	275		1825	
	Sandstone	49		1874	
	40° of 12" pipe	0-40'			
	163° of 12" hole	40-203'			
	137° of 10" pipe	203-340'			
	650° of 6" water pipe	0-650'			
	608° of 10" hole	340-948'			
	182° of 8" pipe	948-1130'			
	80° of 7" hole	1130-1210'			
	40° of 7" pipe	1210-1250'			
	824° of 7" hole	1250-1874'			
	Top of Air Head - 2" pipe	-- 565'			
	Air pipe for starting well	- 3/4" pipe	-- 450'		

COUNTY Cook

DRILL RECORD

(A6572--15M--10-39)

INDEX NO. 1923

ILLINOIS GEOLOGICAL SURVEY, URBANA

TOWN Argo

TOWNSHIP Lyons

MAP NO. 19 M
R. 12EFARM Corn Products Refining Co. #3
AUTHORITY Blueprint drawing 71-A-87
ELEVATION by JWP dated 10-1-17COLLECTOR
CONFIDENTIAL DATE DRILLED
1190' 10" N. line, 229' 10" E. lineSEC.
23

NO.	STRATA	THICKNESS		DEPTH	
		FEET	IN.	FEET	IN.
	Pleistocene system				
	Glacial drift	46		46	
	Silurian system				
	Dolomite	329		375	
	Cambrian-Ordovician systems				
	Eau Claire				
	Sandstone				1863
	61.5° of 18" O.D. casing				0-61.5'
	188.5° of 15" hole				61.5-250'
	250° of 11" hole				250-500'
	600° of 6" water pipe				0-600'
	500° of 10" hole				500-1000'
	84°? of 8" pipe in 10" hole				9187-1000'
	590° of 8" hole				1000-1590'
	6" perforated pipe, length				691'. 1172-1863'
	Top of Air Head - 2" pipe	--	546'		

COUNTY Cook

DRILL RECORD

(A6572--15M--10-39)

INDEX NO. 1923

ILLINOIS GEOLOGICAL SURVEY, URBANA

16. STATE OFFICE BUILDING, SPRINGFIELD,
ICAL /WATER SURVEYS SECTION. BE SURE TO

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Completed 6-2-77

10. Property owner Mary Ann Kennedy Well No. _____
Address 10101 - 5th Ave. Cut-off - La Grange, Ill.
Driller Kurt Kuehn License No. S2-117
11. Permit No. 60414 Date 5/10/77
12. Water from Limestone 13. County Cook
Formation
- at depth _____ to _____ ft. Sec. 28
14. Screen: Diam. _____ in. Twp. 38N
Length: _____ ft. Slot _____ Rge. 12E
Elev. _____
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	Steel 14.98	0	45

SHOW
LOCATION IN
SECTION PLAT
NW SE NW
(permit)

16. Size Hole below casing: 5 in.
17. Static level _____ ft. below casing top which is _____ ft.
above ground level. Pumping level 30 ft. when pumping at 10
gpm for 2 hours. Sub. pump set at 60'.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Drift	45	45
Limestone	80	125

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Kenneth Kuehn DATE 6/10/77

COUNTY NO. 25621

COOK

28-38N-12E

PROPER WELL LOCATION

The City of Metropolitan Sanitary District

GEOLOGICAL AND WATER SURVEYS WFO RECORD

Rental Easement west of T... sample

8-9-74

10. Property owner Truck Terminal Well No. TJ-74-3Address McCookDriller Wehling Well Works, License No. 92-59311. Permit No. 31136 Date 7-23-7412. Water from _____ 13. County Cook

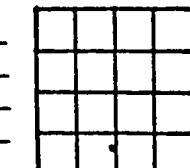
Formation

at depth to ft.Sec. 1114. Screen: Diam. in.Twp. 30NLength: ft. Slot Rge. 12E

100N 100W SECNE SE SW

Elev.

15. Casing and Liner Pipe

SHOW
LOCATION IN
SECTION PLAT100' SL, 100'
EL, NE SE SW
(permit)16. Size Hole below casing: 12 in.17. Static level 70 ft. below casing top which is ft.
above ground level. Pumping level 168 ft. when pumping at 83
gpm for 101 hours.

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)	THICKNESS TOP	DEPTH OF BOTTOM
12"	Black steel	0	81		
	cemented				

Judicial Metropolitan Sanitary District

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wehling Well Works, Inc. DATE 11-22-74COOK Richard H. Wehling 64

COOK

24430

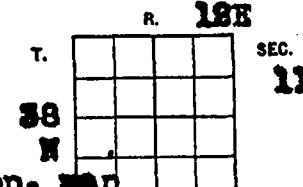
11-38N-12E

TOWN McCook TOWNSHIP Lyons
COMPANY J.P. Miller Art. Well Co.
FARM Lewis Tar Products Co. B

DATE DRILLED 1943

AUTHORITY Summary Sample Study

COLLECTOR ELEVATION 607 top. map
1200' N. line, 1400' E. line of SW



SHEET 2 T. 38N R. 12E S. 11
COMPANY J.P. Miller Art. Well Co.
FARM Lewis Tar Products Co.

NO. NO. 2

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
	Studied by M. P. Meyer, November 1944				
	PLEISTOCENE SYSTEM				
	"Surface"	10		10	
	BILURIAN SYSTEM				
	Niagara series				
	Dolomite, white to light buff, fine	75		95	
	Dolomite, sherty, slightly glauconitic, buff, fine	45		150	
	Dolomite, light gray to light buff, very fine	60		190	
	Dolomite, light buff, very fine, silty, argillaceous at base	28		218	
	Alexandrian series				
	Kankakee formation				
	Dolomite, white to buff, fine, compact	47		265	
	Dolomite, sherty, slightly glauconitic, buff	22		287	
	Dolomite, sherty, buff, brown, fine, silty	23		310	
	Hedgeswood formation				
	Dolomite, slightly sherty, argillaceous, greyish-buff, silty; grading to shale	30		340	
	Dolomite, very argillaceous, grey, very fine, silty	20		360	
	DRDOVICIAN SYSTEM				
	Maquoketa formation				
	Shale, dolomitic, light grey, weak; little dolomite, light grey	8		365	

No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
	Dolomite, brown, fine to medium; dolomite, light green, very fine; shale, brown, near base	20		385	
	Shale, grey, weak; little dolomite, argillaceous, grey	5		390	
	Dolomite, buff to brown, fine to medium; shale, dolomitic, brown	10		400	
	Shale, grey, weak; dolomite lenses, brown to grey	35		435	
	Shale, grey to brown, weak; dolomite lenses, green to grey	50		455	
	Galena formation				
	Dolomite, buff, fine to medium	95		580	
	Dolomite, buff to brown mottled, fine to medium	15		595	
	Dolomite, very slightly sherty, buff	35		630	
	Same, buff to brown mottled	20		650	
	Dolomite, slightly sherty, light grey to buff mottled, grey speckled	15		685	
	Decorah formation				
	Dolomite, slightly sherty, light grey to buff mottled, red speckled; red shale partings	8		673	
	Platteville formation				
	Dolomite, sherty, buff, fine to medium	17		690	
	Dolomite, calcareous, sherty, buff, fine	13		705	
	Limestone, dolomitic, buff, light grey to grey mottled, lithographic; grading to dolomite, at base	12		715	
	Dolomite, buff, very fine; lime-				

COUNTY Cook
SAMPLE SET NO. 10,746
(84107-20M-6-45)

11-38N-12E

ILLINOIS GEOLOGICAL SURVEY, URBANA

COUNTY Cook
SAMPLE SET NO. 10,746
(84107-20M-6-45)

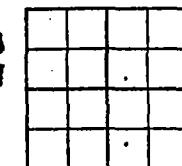
11-38N-12E

ILLINOIS GEOLOGICAL SURVEY, URBANA

Town LaGrange Township Lyons
 Company R. B. Hartman No.
 Farm C.H. Clashagel & A.H. Sandquist T.
 Authority Sample exam by Workman 38
 Elevation 658 T.M.
 Collector Corres.
 Confidential Date Drilled July 1941

Map No. 10
 #12 X

Sec. 18



No.	Strata	Thickness		Depth	
		Feet	In.	Feet	In.
	750' S. line, 600' W. line of SE Middle of 7th St., 65' N. of east line of 62nd St. in South LaGrange Subdivision				
	PLEISTOCENE SYSTEM Glacial till, compact, gravelly in lower 1' 5"	57	6	57	6
	SILURIAN SYSTEM Niagaran dolomite	6	38		
	Driller says drilled to 38' 5"				

COUNTY Cook
 DRILL RECORD

INDEX NO. 1918

FD 312 for METROPOLITAN SANITARY DISTRICT

GEOLOGICAL AND WATER SURVEYS WELL RECORD

General Motors Elective Completed 7-31-74

10. Property owner General Motors Division Well No. T-1-1Address 55th & East Ave., ChicagoDriller Wehling Well Works, License No. 92-59311. Permit No. 31274 Date 7-15-7412. Water from Formation 13. County Cookat depth to ft.Sec. 10Twp. 38NRge. 12ELength: ft. Slot Elev.

375' N 240' E SW SE S SW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
12	black steel	0	14
	cemented		

SHOW
LOCATION IN
SECTION PLAT
375' SL, 240'
WL, SE SW SW
(permit)

16. Size Hole below casing: 12 in.17. Static level 203 ft. below casing top which is ft.
above ground level. Pumping level 238 ft. when pumping at 398
gpm for 1.7 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	17	17
Limestone	17	34
Lime	351	395
Lime & Shale	10	395
Dark Shale	5	400
Light Shale & Lime	21	421
Dark Shale	9	430

West Waco Metropolitan Sanitary District

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

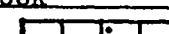
SIGNED Wehling Well Works, Inc. DATE 11-22-74Richard H. Wehling CR

COOK

10-38N-12E

COUNTY NO. 24928

PROPER WELL LOCATION.

Metropolitan Sanitary District of Greater Chicago
GEOLOGICAL AND WATER SURVEYS WELL RECORD
Completed 1-1-7410. Property owner Material Service Corp. Well No. Address 300 E. Washington St., Chicago, ILDriller Wehling Well Works License No. 92-59811. Permit No. 33815 Date 10-11-7412. Water from Formation 13. County Cookat depth to ft.Sec. 10Twp. 38NRge. 12EElev. 14. Screen: Diam. 12 in.Length: ft. Slot

105' S 50' E NW NW NW NE

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
12	black pipe	0	40
	cemented in		

SHOW
LOCATION IN
SECTION PLAT
105' NL, 50' WL
NW NW NE
(permit)

16. Size Hole below casing: 12 in.17. Static level ft. below casing top which is ft.
above ground level. Pumping level ft. when pumping at
gpm for hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
drift	0	7
lime	7	206

West Waco Metropolitan Sanitary District # 110-2
(CONTINUE ON SEPARATE SHEET IF NECESSARY)SIGNED Wehling Well Works, Inc. DATE 1-27-75Richard H. Wehling CR
COOKCOUNTY NO. 24929
10-38N-12E

CITY OF ENVIRONMENTAL HEALTH, 535 WEST
701. DO NOT DETACH GEOLOGICAL/WATER
E PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD
Completed 8-19-74 Ragnor Benson

10. Property owner Vulcan Materials - Well No. _____

Address McCook, Illinois

Driller Wehling Well Works, Inc. license No. 92-598

11. Permit No. 32277 Date 8-16-74

12. Water from _____ 13. County Cook

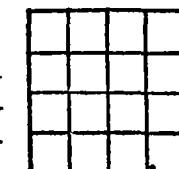
Formation
at depth _____ to _____ ft. Sec. 15

14. Screen: Diam. _____ in. Twp. 38N

Length: _____ ft. Slot _____ Rge. 12E

300' N 1500' E SWSE (Permit) Elev. _____

15. Casing and Liner Pipe



SHOW
LOCATION IN
SECTION PLAT

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	galv. seamless	842	95

16. Size Hole below casing: 4-7/8 in.

17. Static level _____ ft. below casing top which is _____ ft.
above ground level. Pumping level _____ ft. when pumping at _____
gpm for _____ hours. Sub. pump set at 189'

18. FORMATIONS PASSED THROUGH	THICKNESS IN FT.	DEPTH OF BOTTOM
Lime	0	380

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Wehling Well Works, Inc. DATE 8-22-74

24814:

COOK

15-38N-12E

SHEET 3 OF 3
COMPANY Pub. Ser. Co. of N. I.
FALIN

T. 38N R. 12E S. 4
HOLE NO. 3
HOLE NO.

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
<u>GASING RECORD</u>					
16"	hole to 20' depth				
16"	" 257'-9"				
10"	" 1025'				
8"	" 1497'				
6"	" 1962 1/2'				
16"	drive pipe to 20 ft.				
202'8"	W. I. casing set at 500' depth				
124'8"	" " "	1025	"		
160'6"	" " "	1358	"		

E PROX. WELL LOCATIO.

GEOL OGICAL AND WATER SURVEYS WELL RECORD

June 1, 1978

10. Property owner Village of LaGrange Well No. 8
 Address LaGrange, Ill.
 Driller Wehling Well Works. License No. 102-223
 11. Permit No. 71108 Date Feb. 6, 1978
 12. Water from Formation

- at depth _____ to _____ ft. Sec. 1
 14. Screen: Diam. _____ in. Twp. 38N
 Length: _____ ft. Slot _____ Rge. 12E
SW 1/4 SW 1/4 Elev. _____

15. Casing and Liner Pipe 2100' SL, 200' WL, SW

Diam. (in.)	Kind and Weight	From (ft.)	To (ft.)	SHOW LOCATION IN SECTION PLAT HOLE RECORD:
30"	Cemented black	+1	12	30"0-12
24"	Cemented black	+1	33	24"12-33
16"	Cemented	0	1080	20"33-1080

16. Size Hole below casing: _____ in. 20" 33-1080

17. Static level 625 ft. below casing top which is 15" 1080-1538 above ground level. Pumping level 820 ft. when pumping at 1000 gpm for 10 hours. Shot 1390 - 1524 416 shots

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Fill SS# 61642	9	9
Lime	914	323
Sandy shale	5	328
Shale	150	478
Shale with dolomite	5	483
Dolomite	380	863
St. Peter	130	993
Sandy shale with dolomite	35	1028
Dolomite	25	1053
Soft shale	5	1058
Shale	10	1068
Shale with dolomite	110	1178
Dolomite	35	1213

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

(cont.)

SIGNED R.D. Wehling

DATE June 5, 1978

8.8. #61642

(245 - 1165')

4-38N-12E

COUNTY No. 25.950

COOK

Index No.

4-38N-12E 1900

County COOK
T.—DRILL RECORD
(2300—EN—S-27)

TOWN LaGrange TOWNSHIP
COMPANY Public Service Co. of N.Y.Ill.
FARM City Well No. 3
AUTHORITY Sample study by Thwaites 38
ELEVATION
COLLECTOR DATE DRILLED 1908
CONFIDENTIAL
Ap. NW NW SW

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Drift				
	Drift	20		20	
	Niagara				
	Dolomite, white	60		80	
	Dolomite, white, chert, white	40		120	
	Dolomite, light gray to white	140		260	
	Dolomite, light gray, chert, white	20		280	
	Dolomite, light gray	40		320	
	Richmond				
	Shale, blue, calcareous	10		340	
	Shale, blue, calcareous; dolomite, gray	20		360	
	Dolomite, gray to dark, blue-gray	25		385	
	Shale, gray, calcareous	5		390	
	Shale, light brown, cal- careous	10		400	
	Shale, blue, calcareous	80		480	
	Gault-Black River				
	Dolomite, light blue	120		600	
	Dolomite, light gray and blue	30		630	
	Dolomite, gray	20		650	
	Dolomite, gray and blue	20		670	
	Dolomite, light gray	30		700	
	Dolomite, light gray, mottled bluish gray and dark	60		730	

County Court

T.—DRILL RECORD

17893 4M 5 29 26

Index No. 1800

L-38N-28E

STREET 1684 121
COMPANY PUBLIC SERVICE CO. HOLE NO.
FARM LeGrange City Well HOLE NO.

No.	STRATA	Thickness Foot	Thickness In.	Depth Foot	Depth In.
	Dolomite, gray	10		770	
	Dolomite, gray, blue spcts.	30		800	
S.	Lester				
	Sandstone, medium to fine, light gray, calcareous	130		930	
	Shale, gray	25		955	
	Chert, white	20		970	
	Dolomite, light gray, chert, white, sample may be out of place	50		1010	
	Shale, gray	5		1020	
	Lower Magnesian				
	Dolomite, light gray, much white chert	30		1050	
	Dolomite, light gray	100		1210	
	Dolomite, light gray, glauconite	20		1230	
Glauc.	Sandstone, very fine greenish gray, very calci- fied, glauconitic	120		1310	
	Sandstone, very coarse, light gray	20		1330	
	Sandstone, medium to fine, white	100		1340	
	Sandstone, fine, dark gray, shaly calcareous	60		1370	
	Marl, gray	170		1440	
	No record, probably sand- stone and marl	40 1/2		1462 1/2	
	15" cle to 300'				
	13" " " 50' 8 5/8" hole to 1430				
	14" " " 500' 7" " " 1465 1/4				

County Cook

SEARCHED RECORD
(47694-4K-11-24) 287

67

Index N.

15

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Page 1

ILLINOIS GEOLOGICAL SURVEY, URBANA

Strata	Thickness	Top	Bottom
Studied by P. M. Busch 11/60			
PLEISTOCENE SYSTEM			
Till, calcareous, gravelly at base, yellowish brown.	45	45	
Till, calcareous very gravelly, yellowish brown	15	60	
SILURIAN SYSTEM			
Niagaran Series			
Dolomite, white to light yellowish gray, fine to coarse, some porous	40	100	
Dolomite, white, fine to coarse, some porous	40	140	
Dolomite, cherty, white, fine to medium	15	155	
Dolomite, white to light yellowish gray, fine	5	160	
Dolomite, silty, sandy, white to light yellowish gray, fine sugary	15	175	
Dolomite, cherty, silty, sandy, light yellowish gray, fine, sugary	20	195	
Dolomite, cherty, white, some yellowish gray, fine to medium	25	220	
Dolomite, white to light yellowish gray, fine to medium	30	250	
Brandonbridge formation			
Dolomite, yellowish gray, some light yellowish brown, slightly mottled, fine, am-			

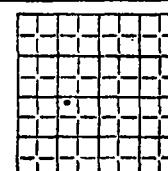
COMPANY J. P. Miller Artesian Well Co.
 FARM Plainview School NO. 106
 DATE DRILLED 1950 COUNTY NO.

AUTHORITY Summary Sample Study

ELEVATION 705' Est. top. map

LOCATION 1700' SW. line, 2500' S. line of SWc of SW

COUNTY COOK S.S. #20422



17-38N-12E

Page 2

ILLINOIS GEOLOGICAL SURVEY, URBANA

Strata	Thickness	Top	Bottom
modiscus, tituotuba, paleo-turretella	5		255
Dolomite, light yellowish brown, some yellowish gray, fine, modiscus, tituotuba, paleo-turretella	20		275
Alexandrian series			
Kankakee formation			
Dolomite, light yellowish, slightly brownish tint, fine	35		300
Dolomite, cherty, glauconitic, light yellowish gray, fine	10		310
Dolomite, cherty, sandy, yellowish gray, fine to coarse; little quartz	20		330
Edgewood formation			
Dolomite, cherty, sandy, silty, partly argillaceous, yellowish gray to dark yellowish gray, dark specks, fine; little shale, dolomitic, silty, sandy, dark yellowish gray, weak	45		375
ORDOVICIAN SYSTEM			
Maquaketa formation			
Dolomite, argillaceous, silty, gray, fine, few dark specks; shale, dolomitic, silty, gray, some brown at base, friable	15		390
			TD

J. P. Miller Artesian Well Co. - Plainview School

COUNTY COOK

S.S. #20422

17-38N-12E

(5)

TOWN	Summit	TOWNSHIP	MAP NO.
CATEGORY	Richard Eggert	NO	10
FARE	Plainview School	SE	12E
AUTHORITY	Richard Eggert	SE	SE
ELEVATION	695 T.M.	SE	17
COLLECTOR	E. Atherton		
* CONFIDENTIAL	DATE DRILLED		
<u>1250' E. of N. line, 2000' S. of N. line</u>		deeepened 1937	
NO.	STRATA	PICK NO.	DEPTH

4" well to 146'

Limestone at
Total depth87'
212

5" hole

Relined from 146' with 5"
cap pipe to top of well*Well located halfway between
school house and Plainfield
road.

SHEET 1

MOORE'S
BINDER
1904

R. 12 s. 30

HOLE NO.

HOLE NO. 2

COMPANY Mr. Cater, driller
FARM Lyons City Well

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
178	crystallization	10		1960	
178	Same, but stained yellow-brown by rust from tools	10		1970	
179	Sandstone, light buff gray, medium to very coarse, incoherent, rounded and frosted, secondary crystallization	10		1980	

See Sample Study and description of insoluble residues by C.E. Needham in file.

County

Cook

T.-DRILL RECORD

(27091-4M-11-29) 2

Sample Set #757

27091

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